

# Thomas F. Filshill

+1 (404) 988-6157 | [thomasfilshill@gatech.edu](mailto:thomasfilshill@gatech.edu) | [www.linkedin.com/in/thomasfilshill](https://www.linkedin.com/in/thomasfilshill)

## EDUCATION

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### Georgia Institute of Technology

Graduating May 2026

- B.S. in Computer Science, GPA: **3.8**
- Concentrations: AI & ML and Media
- Coursework: Data Structures & Algorithms, Computer Architecture, Object-Oriented Programming
- Data Science @ GT – Club Member

## EXPERIENCE

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### Software Developer, *Tecnologia Única*

Sept 2022 – Present

- Lead Machine Learning developer for the best predictive engine for soccer matches, [sportsguru.io](https://sportsguru.io)
- Developed LSTM Recurring Neural Networks and Random Forest Classifiers using TensorFlow and Pandas.
- Developed RESTful API, Full Stack and Android app.
- Created web-scraping pipelines and APIs to aggregate player data using Python and AWS EC2.
- Member of core business team, playing a crucial role in achieving the first 30,000 users and quarter million visits.
- Developed fully autonomous AI support chatbot using proprietary NLP engine and Retrieval-Augmented Generation (RAG).

### Co-Founder & Lead Programmer, *Applik*

Aug 2021 - Mar 2022

- Full-stack developer for a Blockchain platform that helps users save small sums of money on every purchase.
- Designed front-end and back-end with object-oriented design. Developed in Django, JavaScript, and Python.

## VOLUNTEERING

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### Leader & Instructor, *Codekids Brazil NPO*

Jan 2021 - Aug 2022

- Taught Python algorithms in-person in poorly funded state schools in São Paulo.
- Raised over R\$18,000 to help renovate a public school's computer classroom.

### Senior STEM Initiatives Leader and Technology Prefect, *St. Paul's School*

Aug 2018 - Jul 2022

- Led development of "CREATE" Space, a center for entrepreneurship and innovation on campus.
- Taught Computer Aided Design (CAD) to high-school students.

## RESEARCH & AWARDS

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### Tech Fellow, *Fundação Estudar*

Sept 2023 - Present

- One of 11 selected from a pool of 8275 applicants in 2023 to be awarded an **Academic Scholarship**.
- Network of the most promising tech students in Brazil, receiving 1-on-1 mentorship with market leaders.

"Environment's Effects on Solar Arrays, as we Transition to Renewable Energy" (Mathematics/Physics) March 2022

"Modeling the effect of weather on Motorsport Racing" (Mathematics) May 2022

## SKILLS

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### Technical Skills:

- Languages: Python, Java, C, C++, HTML, JavaScript, SQL, Perl, Ruby
- Technologies: Azure ML, TensorFlow, Django, Flask .NET, Git, Sci-kit Learn, AWS, React Native, Pandas, Deep Learning, SNN's, RNN's, RAG, Docker, Kubernetes, REST API, PySpark, Natural Language Processing

### Languages:

- English (Native), Portuguese (Native), Spanish (Professional working)